

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	799	360/324.12.ccls.	US-PGPUB; USPAT	ADJ	OFF	2007/02/14 17:18
L2	621	@ad<="20040216" and 1	US-PGPUB; USPAT	ADJ	OFF	2007/02/14 17:19
L3	589454	(instack or in-stack or in adj stack or magnet or magnets or barkhausen or ((hard or vertical\$4 or longitudinal\$4) adj2 bias\$4) or mdc or domain\$ or barkhousen or barkhauzen or Barkhausen or barkhaussen or popcorn or pop adj corn or wiggle or exchange adj tab\$1 or multidomain\$1 or LBS or (sole near3 magnetization\$1) or unidirectional or ((another or other or additional or second) adj2 (anti adj ferromagnet\$\$ or antiferromagnet\$4 or AFM or AFMS)))	US-PGPUB; USPAT	ADJ	OFF	2007/02/14 18:21
L4	488	exchange and 2 and 3	US-PGPUB; USPAT	ADJ	OFF	2007/02/14 17:20
L5	1433742	active or ((centre or center) near2 (region\$1 or area\$1 or portion\$1)) or trackwidth or TW or track adj width	US-PGPUB; USPAT	ADJ	OFF	2007/02/14 18:21
L6	341	4 and 5	US-PGPUB; USPAT	ADJ	OFF	2007/02/14 17:22
L7	155449	Ferripin\$6 or ferri adj pin\$6 or ruthenium or Ru or ferrimagnet\$5 or ferri adj2 magnet\$5 or antiparallel or anti adj parallel or ((antiferromagnetic or AFM or anti adj ferromagnetic\$5 or exchange) adj2 coupling\$1) or APC or AAF or SyAF or SAF or synthetic\$4 adj2 (antiferro or antiferromagnet\$5 or anti adj ferromagnet\$5 or coupling) or artificial adj2 (antiferro or anti adj ferromagnet\$5 or antiferromagnet\$5) or MSSV or SSV or AP1 or AP2 or APC1 or APC2 or AFC or ((reference or keeper) near2 layer\$1)	US-PGPUB; USPAT	ADJ	OFF	2007/02/14 18:21

EAST Search History

L8	9582	(rotation adj suppress\$4 or exchange adj tab\$1 or AFM or antiferromag\$8 or anti adj ferromag\$6 or pinning or PtMn or FeMn or IrMn or FeMnRh or InMn or RhMn or RuMn or NiMn or PdPtMn or CrPdMn or NiO or Pt adj Mn or Fe adj Mn or Ir adj Mn or Fe adj Mn adj Rh or In adj Mn or Rh adj Mn or Ru adj Mn or Ni adj Mn or Pd adj Pt adj Mn or Cr adj Pd adj Mn or Ni adj O).ti,ab,clm.	US-PGPUB; USPAT	ADJ	OFF	2007/02/14 18:21
L9	289	6 and 8	US-PGPUB; USPAT	ADJ	OFF	2007/02/14 17:23
L10	287	7 and 9	US-PGPUB; USPAT	ADJ	OFF	2007/02/14 17:23
L11	281	free and 10	US-PGPUB; USPAT	ADJ	OFF	2007/02/14 18:02
L12	55833	(overlaid\$4 or overlies\$4 or overlying or overlain\$4 or overlap\$5 or over adj laid\$4 or over adj lies\$4 or over near lying or over adj lain\$4 or over adj lap\$5) near4 (lead\$1 or electrode\$1 or conductor\$1 or conduct\$4)	US-PGPUB; USPAT	ADJ	OFF	2007/02/14 18:05
L13	39	11 and 12	US-PGPUB; USPAT	ADJ	OFF	2007/02/14 18:20
L14	199301	(spin adj bulb or spin adj bubble or ((read\$3 or reproduc\$3) near2 (element\$1 or device\$1)) or mr or DOMR or mre or magneto adj2 (resistiv\$3 or resistance\$1) or magnetoresist\$5 or amr or magnetic\$4 adj2 (resistiv\$3 or resistance\$1) or SVMR or TuMR\$1 or CMR\$1 or GMR\$1 or spin adj2 valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or tmr\$1 or mram\$1 or magnetic adj2 (memories or memory) or magnetic adj random adj access adj memor\$3 or DSV or TJM or macro adj magnetoresist\$5 or macromagnetoresist\$5 or piggyback or ((composite or combination or merged) adj4 head\$1)) or g11b005/39.ipc. or g11b005/33.ipc. or g11b005/127.ipc.	EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2007/02/14 18:21

EAST Search History

L15	361338	(instack or in-stack or in adj stack or magnet or magnets or barkhausen or ((hard or vertical\$4 or longitudinal\$4) adj2 bias\$4) or mdc or domain\$ or barkhousen or barkhauzen or Barkhausen or barkhaussen or popcorn or pop adj corn or wiggle or exchange adj tab\$1 or multidomain\$1 or LBS or (sole near3 magnetization\$1) or unidirectional or ((another or other or additional or second) adj2 (anti adj ferromagnet\$\$ or antiferromagnet\$4 or AFM or AFMS)))	EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2007/02/14 18:21
L16	946005	active or ((centre or center) near2 (region\$1 or area\$1 or portion\$1)) or trackwidth or TW or track adj width	EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2007/02/14 18:21
L17	1112979	Ferripin\$6 or ferri adj pin\$6 or ruthenium or Ru or ferrimagnet\$5 or ferri adj2 magnet\$5 or antiparallel or anti adj parallel or ((antiferromagnetic or AFM or anti adj ferromagnetic\$5 or exchange) adj2 coupling\$1) or APC or AAF or SyAF or SAF or synthetic\$4 adj2 (antiferro or antiferromagnet\$5 or anti adj ferromagnet\$5 or coupling) or artificial adj2 (antiferro or anti adj ferromagnet\$5 or antiferromagnet\$5) or MSSV or SSV or AP1 or AP2 or APC1 or APC2 or AFC or ((reference or keeper) near2 layer\$1)	FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2007/02/14 18:21
L18	21949	(rotation adj suppress\$4 or exchange adj tab\$1 or AFM or antiferromag\$8 or anti adj ferromag\$6 or pinning or PtMn or FeMn or IrMn or FeMnRh or InMn or RhMn or RuMn or NiMn or PdPtMn or CrPdMn or NiO or Pt adj Mn or Fe adj Mn or Ir adj Mn or Fe adj Mn adj Rh or In adj Mn or Rh adj Mn or Ru adj Mn or Ni adj Mn or Pd adj Pt adj Mn or Cr adj Pd adj Mn or Ni adj O).ti,ab,clm.	FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2007/02/14 18:22
L19	53	14 and 15 and 16 and 17 and 18	FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2007/02/14 18:22